

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Charles Boyer Examiner #: 73868 Date: 9/15/03
 Art Unit: 1751 Phone Number 308 2524 Serial Number: 09/935927
 Mail Box and Bldg/Room Location: CP39B20 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: see attached

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

*Please focus on the specific cationic
silicone polymers*

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Kenneth</u>	NA Sequence (#) _____	STN <u>✓</u>
Searcher Phone #: <u>305 2542</u>	AA Sequence (#) _____	Dialog _____
Searcher Location: <u>615 1700</u>	Structure (#) <u>✓</u>	Questel/Orbit _____
Date Searcher Picked Up: <u>9/22/03</u>	Bibliographic _____	Dr.Link _____
Date Completed: <u>9/22/03</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: <u>10m</u>	Patent Family _____	WWW/Internet _____
Online Time: <u>2h</u>	Other _____	Other (specify) _____



STIC Search Report

EIC 1700

STIC Database Tracking Number: 103949

TO: Charles Boyer

Location:

Art Unit : 1751

September 22, 2003

Case Serial Number: 09/935927

From: Barba Koroma

Location: EIC 1700

CP3/4-3D62

Phone: 305-3542

barba.koroma@uspto.gov

Search Notes

Examiner Boyer,
Please find attached results of the search you requested. Let me know if you have any questions.
Thanks.



STIC Search Results Feedback Form

EIC17000

Questions about the scope or the results of the search? Contact *the EIC searcher or contact:*

Kathleen Fuller, EIC 1700 Team Leader
308-4290, CP3/4-3D62

Voluntary Results Feedback Form

- I am an examiner in Workgroup: Example: 1713
➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

- Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC1700 CP3/4 3D62



=> file reg

FILE 'REGISTRY' ENTERED AT 15:05:55 ON 22 SEP 2003

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 21 SEP 2003 HIGHEST RN 590345-44-1

DICTIONARY FILE UPDATES: 21 SEP 2003 HIGHEST RN 590345-44-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> file caplus

FILE 'CAPLUS' ENTERED AT 15:06:00 ON 22 SEP 2003

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FILE COVERS 1907 - 22 Sep 2003 VOL 139 ISS 13

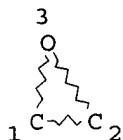
FILE LAST UPDATED: 21 Sep 2003 (20030921/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que

L2

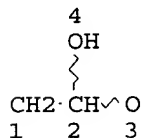
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GRAPH ATTRIBUTES:
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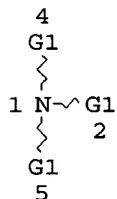
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 L4 STR



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GRAPH ATTRIBUTES:
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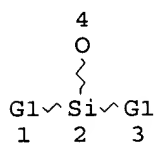
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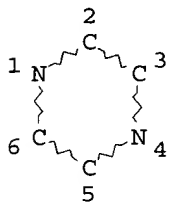
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NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE
L24 STR



NODE ATTRIBUTES:
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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
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NUMBER OF NODES IS 6

STEREO ATTRIBUTES: NONE
L26 348 SEA FILE=REGISTRY SSS FUL L23 AND (L2 OR L4) AND (L24 OR L6)
L27 187 SEA FILE=CAPLUS ABB=ON PLU=ON L26
L28 8 SEA FILE=CAPLUS ABB=ON PLU=ON L27 AND (TEXTILE OR FABRIC)
L29 1 SEA FILE=CAPLUS ABB=ON PLU=ON L27 AND DETERGENTS
L30 2 SEA FILE=CAPLUS ABB=ON PLU=ON L27 AND SOFTENERS
L31 3 SEA FILE=CAPLUS ABB=ON PLU=ON L27 AND FINISH?(3A)AGENTS
L32 9 SEA FILE=CAPLUS ABB=ON PLU=ON (L28 OR L29 OR L30 OR L31)

=> d ibib abs hitstr ind total l32

L32 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2002:35611 CAPLUS

KOROMA EIC1700

DOCUMENT NUMBER: 136:104245
 TITLE: Graft polymer emulsifying agents and storage stable emulsions therewith
 INVENTOR(S): Isota, Masanori; Shimizu, Yoshio
 PATENT ASSIGNEE(S): Lion Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002011338	A2	20020115	JP 2000-197698	20000630
PRIORITY APPLN. INFO.:			JP 2000-197698	20000630

AB Title agents are obtained by polymn. of (a) vinyl type monomers with organopolysiloxane side chains, (b) vinyl type monomers with polyalkylene oxide side chains, and (c) water-sol. vinyl type monomers. The emulsions are useful for cosmetics for hair/skin prepn., **textile finishing agents**, and surface treatment agents. Thus, FM 0725 3, 2,2'-azobis(2-methylbutyronitrile) 1, FM 0711 3, polyethylene glycol monomethacrylate 57, AB 6 2, and methacrylic acid 35 g were heated at 80.degree. in ethanol, ethanol was removed, NaOH aq. soln. was added to give a 25% aq. soln. of graft polymer (Mw 50,000), 10 g of which was mixed and stirred with 100 g SH 200 (viscosity at 25.degree. 100,000 cSt) and dild. with 100 g water to give a storage stable organopolysiloxane aq. emulsion with av. particle size 2.2 .mu.m.

IT **389059-57-8DP**, trimethylsilyl-terminated **389059-59-ODP**, trimethylsilyl-terminated **389059-63-6DP**, trimethylsilyl-terminated
 RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation);
 USES (Uses)
 (prepn. of graft polymer emulsifying agents giving storage stable emulsions)

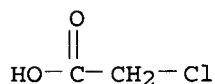
RN 389059-57-8 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with butyl 2-propenoate, dimethylsilanediol and oxirane, graft, compd. with chloroacetic acid (9CI) (CA INDEX NAME)

CM 1

CRN 79-11-8

CMF C2 H3 C1 O2



CM 2

CRN 389059-56-7

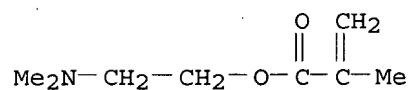
CMF (C8 H15 N O2 . C7 H12 O2 . C2 H8 O2 Si . C2 H4 O)x

CCI PMS

CM 3

CRN 2867-47-2

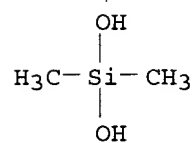
CMF C8 H15 N O2



CM 4

CRN 1066-42-8

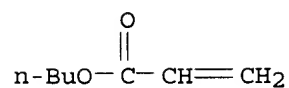
CMF C2 H8 O2 Si



CM 5

CRN 141-32-2

CMF C7 H12 O2



CM 6

CRN 75-21-8

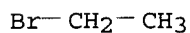
CMF C2 H4 O



RN 389059-59-0 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with butyl 2-propenoate, dimethylsilanediol and oxirane, graft, compd. with bromoethane (9CI) (CA INDEX NAME)

CM 1

CRN 74-96-4
 CMF C2 H5 Br

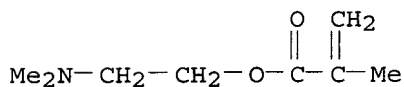


CM 2

CRN 389059-56-7
 CMF (C8 H15 N O2 . C7 H12 O2 . C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

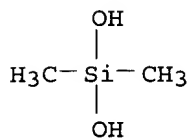
CM 3

CRN 2867-47-2
 CMF C8 H15 N O2



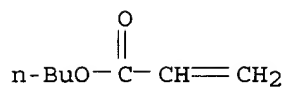
CM 4

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 5

CRN 141-32-2
CMF C7 H12 O2



CM 6

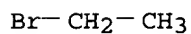
CRN 75-21-8
CMF C2 H4 O



RN 389059-63-6 CAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with dimethylsilanediol, 2-hydroxyethyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate and oxirane, graft, compd. with bromoethane (9CI)
(CA INDEX NAME)

CM 1

CRN 74-96-4
CMF C2 H5 Br

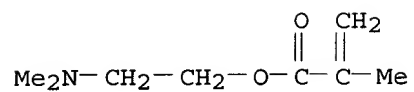


CM 2

CRN 389059-62-5
CMF (C8 H15 N O2 . C6 H10 O3 . C5 H8 O2 . C2 H8 O2 Si . C2 H4 O)x
CCI PMS

CM 3

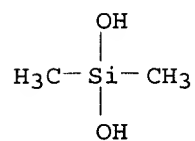
CRN 2867-47-2
CMF C8 H15 N O2



CM 4

CRN 1066-42-8

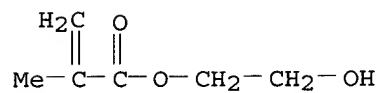
CMF C2 H8 O2 Si



CM 5

CRN 868-77-9

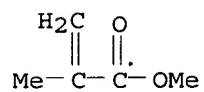
CMF C6 H10 O3



CM 6

CRN 80-62-6

CMF C5 H8 O2



CM 7

CRN 75-21-8

CMF C2 H4 O



IC ICM B01F017-54
ICS A61K007-00; A61K007-08; B01F017-42; B01F017-52; C08F290-06

CC 46-4 (Surface Active Agents and Detergents)
Section cross-reference(s): 40, 62

ST acrylic polysiloxane polyoxyalkylene graft polymer emulsifying agent
prepn; storage stable emulsion cosmetic hair skin; **textile**
finishing agent storage stable emulsion; surface treatment agent storage
stable emulsion

IT Polysiloxanes, uses
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or
engineered material use); BIOL (Biological study); PREP (Preparation);
USES (Uses)
(acrylic-polyoxyalkylene-, graft; prepn. of graft polymer emulsifying
agents giving storage stable emulsions)

IT Polyoxyalkylenes, uses
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or
engineered material use); BIOL (Biological study); PREP (Preparation);
USES (Uses)
(acrylic-polysiloxane-, graft; prepn. of graft polymer emulsifying
agents giving storage stable emulsions)

IT **Fabric finishing**
(agents; prepn. of graft polymer emulsifying agents giving
storage stable emulsions)

IT Cosmetics
Hair preparations
(emulsions; prepn. of graft polymer emulsifying agents giving storage
stable emulsions)

IT **Detergents**
(prepn. of graft polymer emulsifying agents giving storage stable
emulsions)

IT Polysiloxanes, uses
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL
(Biological study); USES (Uses)
(prepn. of graft polymer emulsifying agents giving storage stable
emulsions for)

IT 389059-52-3P 389059-53-4DP, trimethylsilyl-terminated 389059-55-6P
389059-57-8DP, trimethylsilyl-terminated 389059-58-9P
389059-59-0DP, trimethylsilyl-terminated 389059-61-4P
389059-63-6DP, trimethylsilyl-terminated
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or
engineered material use); BIOL (Biological study); PREP (Preparation);
USES (Uses)
(prepn. of graft polymer emulsifying agents giving storage stable
emulsions)

IT 31900-57-9D, Dimethylsilanediol homopolymer, trimethylsilyl-terminated
42557-10-8, SH 200
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL

(Biological study); USES (Uses)
(prepn. of graft polymer emulsifying agents giving storage stable emulsions for)

L32 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2000:137320 CAPLUS
DOCUMENT NUMBER: 132:182125
TITLE: Manufacture of hydrophilic polyurethanes for coatings and artificial leather
INVENTOR(S): Hanada, Kazuyuki
PATENT ASSIGNEE(S): Dainichi Seika Kogyo K. K., Japan; Ukima Gosei K. K.
SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000063471	A2	20000229	JP 1998-237468	19980824
PRIORITY APPLN. INFO.:			JP 1998-237468	19980824

AB Hydrophilic polyurethanes are prepd. by copolymg. (A) org. polyisocyanates, (B) hydrophilic polymer polyols, (C) compds. with .gtoreq.1 active H and .gtoreq.1 tertiary amino group, (D) polysiloxanes with .gtoreq.1 active H, (E) compds. with .gtoreq.1 reactive group and .gtoreq.1 hydrolyzable silyl group, and optionally (F) chain extenders. The polyurethanes have wt.-av. mol. wt. 3000-800,000, tertiary amino group 0.1-50 equiv/g, and hydrolyzable silyl group 0.001-10 equiv/g and comprise segments derived from B 30-80, C 1-60, D 0.1-10, and E 1-40%. The polyurethanes have excellent adhesion to various substrates, water absorption, antifogging, transparency, flexibility, water-based ink writability, water resistance, and blocking resistance are esp. suitable for coatings for ink-jet printing sheets, surface treatment agents for resin-type wallpapers, **fabrc** coatings, and artificial leathers. Thus, 3-(hydroxyethyloxy)propyl-terminated di-Me siloxane 5, polyethylene glycol 145, 1,3-butylene glycol 7, N-methyldiethanolamine 12, and MDI 61 parts were copolymd. at 80.degree. then reacted with 7 parts (EtO)3Si(CH2)3NCO to give a 35%-solid polyurethane soln. with viscosity at 25.degree. 390 dPa-s. A PET film with coating of the soln. for ink-jet receptor was exemplified.

IT 231294-97-6P 259683-42-6P
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(manuf. of hydrophilic polysiloxane-polyurethanes for coatings and artificial leather)

RN 231294-97-6 CAPLUS

CN 1,4-Butanediamine, polymer with .alpha.-[(3-aminopropyl)dimethylsilyl]-.omega.-[[[(3-aminopropyl)dimethylsilyl]oxy]poly[oxy(dimethylsilylene)]], N-(3-aminopropyl)-N-methyl-1,3-propanediamine, 1,1'-methylenebis[4-isocyanatocyclohexane], methyloxirane polymer with oxirane bis(2-aminopropyl) ether and 3-(triethoxysilyl)-1-propanamine (9CI) (CA

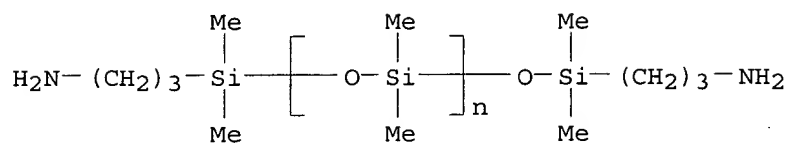
INDEX NAME)

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CRN 97917-34-5

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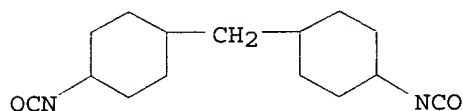
CCI PMS



CM 2

CRN 5124-30-1

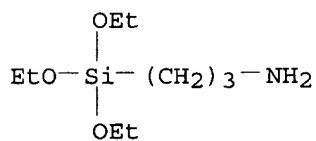
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CM 3

CRN 919-30-2

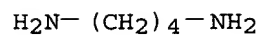
CMF C9 H23 N O3 Si



CM 4

CRN 110-60-1

CMF C4 H12 N2

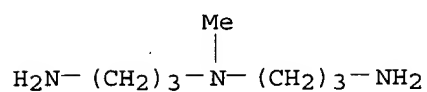


KOROMA EIC1700

CM 5

CRN 105-83-9

CMF C7 H19 N3



CM 6

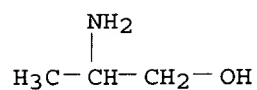
CRN 65605-36-9

CMF C3 H9 N O . 1/2 (C3 H6 O . C2 H4 O) x

CM 7

CRN 6168-72-5

CMF C3 H9 N O



CM 8

CRN 9003-11-6

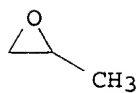
CMF (C3 H6 O . C2 H4 O) x

CCI PMS

CM 9

CRN 75-56-9

CMF C3 H6 O



CM 10

CRN 75-21-8

CMF C2 H4 O



RN 259683-42-6 CAPLUS
 CN Silanediol, dimethyl-, polymer with 1,4-butanediamine, 1,3-butanediol, 1,3-diisocyanatomethylbenzene, 2,2'-[[3-(dimethylamino)propyl]imino]bis[ethanol], Duranate 24A100, oxirane, 3-(triethoxysilyl)-1-propanamine and 3-(trimethoxysilyl)-1-propanamine (9CI) (CA INDEX NAME)

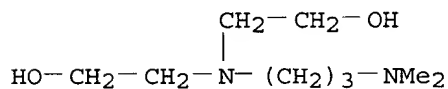
CM 1

CRN 81544-19-6
 CMF Unspecified
 CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

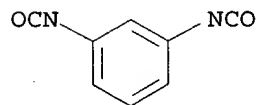
CM 2

CRN 57567-83-6
 CMF C9 H22 N2 O2



CM 3

CRN 26471-62-5
 CMF C9 H6 N2 O2
 CCI IDS



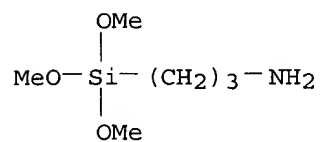
D1-Me

CM 4

KOROMA EIC1700

CRN 13822-56-5

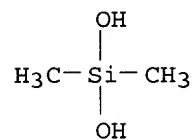
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CM 5

CRN 1066-42-8

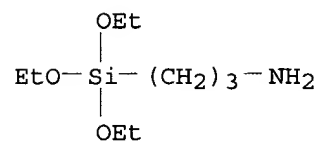
CMF C2 H8 O2 Si



CM 6

CRN 919-30-2

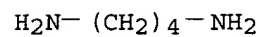
CMF C9 H23 N O3 Si



CM 7

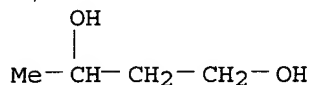
CRN 110-60-1

CMF C4 H12 N2



CM 8

CRN 107-88-0
CMF C4 H10 O2



CM 9

CRN 75-21-8
CMF C2 H4 O



- IC ICM C08G018-38
ICS C08G018-61
- CC 42-10 (Coatings, Inks, and Related Products)
Section cross-reference(s): 37, 38
- ST hydrophilic polysiloxane polyurethane prepn coating antiblocking;
hydrolyzable silyl polysiloxane polyurethane prepn coating; ink jet
receptor coating polyurethane polysiloxane; amino tertiary polysiloxane
polyurethane prepn hydrophilic
- IT Coating materials
(hydrophilic coatings; manuf. of hydrophilic polysiloxane-polyurethanes
for coatings and artificial leather)
- IT Leather substitutes
(manuf. of hydrophilic polysiloxane-polyurethanes for coatings and
artificial leather)
- IT Polysiloxanes, uses
Polysiloxanes, uses
Polysiloxanes, uses
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or
engineered material use); PREP (Preparation); USES (Uses)
(polyoxyalkylene-polyurethane-, polyurea-; manuf. of hydrophilic
polysiloxane-polyurethanes for coatings and artificial leather)
- IT Polysiloxanes, uses
Polysiloxanes, uses
Polysiloxanes, uses
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or
engineered material use); PREP (Preparation); USES (Uses)
(polyoxyalkylene-polyurethane-; manuf. of hydrophilic
polysiloxane-polyurethanes for coatings and artificial leather)
- IT Polyurethanes, uses
Polyurethanes, uses
Polyurethanes, uses
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or

- engineered material use); PREP (Preparation); USES (Uses)
(polyoxyalkylene-siloxane-, polyurea-; manuf. of hydrophilic polysiloxane-polyurethanes for coatings and artificial leather)
- IT Polyurethanes, uses
Polyurethanes, uses
Polyurethanes, uses
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyoxyalkylene-siloxane-; manuf. of hydrophilic polysiloxane-polyurethanes for coatings and artificial leather)
- IT Polyurethanes, uses
Polyurethanes, uses
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polysiloxane-; manuf. of hydrophilic polysiloxane-polyurethanes for coatings and artificial leather)
- IT Polysiloxanes, uses
Polysiloxanes, uses
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyurethane-; manuf. of hydrophilic polysiloxane-polyurethanes for coatings and artificial leather)
- IT Polyoxyalkylenes, uses
Polyoxyalkylenes, uses
Polyoxyalkylenes, uses
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyurethane-siloxane-, polyurea-; manuf. of hydrophilic polysiloxane-polyurethanes for coatings and artificial leather)
- IT Polyoxyalkylenes, uses
Polyoxyalkylenes, uses
Polyoxyalkylenes, uses
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyurethane-siloxane-; manuf. of hydrophilic polysiloxane-polyurethanes for coatings and artificial leather)
- IT Ink-jet printing
(receptors; manuf. of hydrophilic polysiloxane-polyurethanes for coatings for)
- IT 231290-99-6P 231294-97-6P 259683-42-6P
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(manuf. of hydrophilic polysiloxane-polyurethanes for coatings and artificial leather)

L32 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1999:708511 CAPLUS

DOCUMENT NUMBER: 131:323795

TITLE: Spinning finishing agents for
processing synthetic fibers and yarns

INVENTOR(S): Yamamoto, Hisao; Kimura, Fumihiko; Nagaya, Masahiro;
Kitagawa, Yukiko

PATENT ASSIGNEE(S): Takemoto Yushi Kabushiki Kaisha, Japan
 SOURCE: Eur. Pat. Appl., 18 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 953673	A2	19991103	EP 1999-303196	19990426
EP 953673	A3	20000607		
EP 953673	B1	20011010		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 11315480	A2	19991116	JP 1998-134575	19980427
CN 1233686	A	19991103	CN 1999-102545	19990226
CN 1114006	B	20030709		

PRIORITY APPLN. INFO.: JP 1998-134575 A 19980427

OTHER SOURCE(S): MARPAT 131:323795

AB The title agent contains a polyether compd., a straight-chain polyether modified polyorganosiloxane of a specified kind and an ionic surfactant at specified ratios applied at a specified rate to synthetic fibers subjected to a heat treatment such as false twisting. The title agents optionally contain an ester or ether ester compd. Agent contg. ethylene glycol-propylene glycol block copolymer Me ether 96, block polyoxyalkylene-terminal polysiloxane (which includes units of di-Me siloxane and polyoxyethylene) 2, and methyltributylammonium oleate 2 parts was used to lubricate PET fibers, showing short heater contamination 23 mg. There was no filament slipping, no static charge, no fuzz, and no deposit on the heater.

IT 249504-43-6

RL: TEM (Technical or engineered material use); USES (Uses)
 (in spinning **finishing agents** for draw-false twist texturing synthetic fibers)

RN 249504-43-6 CAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane, methylphenylsilanediol and oxirane, 2-(dibutylamino)ethyl ether, block, graft (9CI) (CA INDEX NAME)

CM 1

CRN 102-81-8

CMF C10 H23 N O

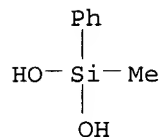
(n-Bu)₂N-CH₂-CH₂-OH

CM 2

CRN 229162-47-4
CMF (C7 H10 O2 Si . C3 H6 O . C2 H8 O2 Si . C2 H4 O)x
CCI PMS

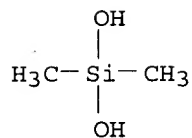
CM 3

CRN 3959-13-5
CMF C7 H10 O2 Si



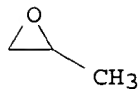
CM 4

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 5

CRN 75-56-9
CMF C3 H6 O



CM 6

CRN 75-21-8
CMF C2 H4 O



IC ICM D06M015-647
ICS D06M015-657; D06M013-46; D06M013-285; D06M015-53; D02J013-00;
D02G001-02

CC 40-7 (Textiles and Fibers)

ST fiber spinning finish polysiloxane polyoxyalkylene; lubricant spinning
finish synthetic fiber; draw texturing synthetic fiber lubricant;
quaternary onium surfactant spinning finish

IT Polyamide fibers, processes
RL: PEP (Physical, engineering or chemical process); PROC (Process)
(66; spinning **finishing agents** for draw-false twist
texturing synthetic fibers)

IT Surfactants
(cationic; in spinning **finishing agents** for
draw-false twist texturing synthetic fibers)

IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(in spinning **finishing agents** for draw-false twist
texturing synthetic fibers)

IT Polysiloxanes, uses
Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyalkylene-; in spinning **finishing agents** for
draw-false twist texturing synthetic fibers)

IT Polyoxyalkylenes, uses
Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-; in spinning **finishing agents** for
draw-false twist texturing synthetic fibers)

IT Lubricants
(spinning **finishing agents** for draw-false twist
texturing synthetic fibers)

IT Polyester fibers, processes
RL: PEP (Physical, engineering or chemical process); PROC (Process)
(spinning **finishing agents** for draw-false twist
texturing synthetic fibers)

IT 5303-24-2, Octyl laurate 9003-11-6, Ethylene glycol-propylene glycol
copolymer 9038-95-3, Ethylene oxide-propylene oxide copolymer butyl
ether 9063-06-3, Ethylene oxide-propylene oxide copolymer monomethyl
ether 61827-84-7, Ethylene oxide-propylene oxide copolymer octyl ether
64248-79-9, Sodium isostearate 106392-12-5, Ethylene glycol-propylene
glycol block copolymer 106494-51-3, Ethylene oxide-propylene oxide block
copolymer monomethyl ether 113609-82-8, Ethylene oxide-propylene oxide
block copolymer dodecyl ether 122636-55-9, Ethylene oxide-propylene
oxide copolymer mono-octyl ether laurate 176896-14-3D, octylthio derivs.
249295-19-0, Methyltributylammonium oleate, uses 249295-22-5,
Octyltrimethylammonium lauryl sulfonate 249295-23-6,
Methyltributylphosphonium tridecyl sulfonate 249295-25-8 249295-26-9,

Polyethylene glycol monooctyl ether laurate 249295-27-0 249504-30-1
 249504-31-2 249504-33-4 249504-34-5 249504-35-6 249504-36-7
 249504-43-6 249534-50-7, Bishydroxyethyl methyl oleyl ammonium
 (pentadecenyl succinate) 249534-51-8, Tetrabutylphosphonium isostearate
 249534-53-0, Methyltributylammonium octylphenylethoxy ethylsulfate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (in spinning **finishing agents** for draw-false twist
 texturing synthetic fibers)

L32 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1999:650641 CAPLUS
 DOCUMENT NUMBER: 131:287709
 TITLE: Cationic polyurethane softening and hydrophilizing
 agents for **textiles** with good washfastness
 INVENTOR(S): Suesada, Kimiyuki; Miyakoshi, Hiroaki; Kanasaki, Hideo
 PATENT ASSIGNEE(S): Nikka Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11279951	A2	19991012	JP 1998-83570	19980330
JP 3420934	B2	20030630		

PRIORITY APPLN. INFO.: JP 1998-83570 19980330

AB The agents are obtained from polyol compds. based on (A) di-Me siloxanes bearing H(OC3H6)a(OC2H4)bO(CH2)cSiMe2O- terminal groups (a, b = 0-100; a+b = 0-100; c = 2, 3), (B) polyether polyols bearing polyoxypropylene groups, and (C) dihydroxylated tertiary amines, and diisocyanate compds. at the NCO/OH (of A, B and C) stoichiometric equiv. ratio .ltoreq.1. Thus, heating HO(CH2)3(SiMe2O)20SiMe2(CH2)3OH (viscosity 40 cSt) 88.2 with a polypropylene glycol (mol. wt. 1000) 67.8, dicyclohexylmethane diisocyanate 40.0, DMF 20 g and Bu2Sn dilaurate (catalytic amt.) while stirring at 95.degree. for 3 h, cooling the resulting prepolymer mixt. to 85.degree., adding N-methyldiethanolamine 4.0, mixing at this temp. for 1 h, adding i-PROH 30, polyoxyethylene alkyl ether (HLB 14.5) 50 and water 700 g, neutralized wit ACOH gave a 20% semi-transparent emulsion for **fabric** treatment..

IT 246032-69-9P 246032-71-3P 246032-73-5P
 246032-76-8P 246032-79-1P

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (cationic polyurethane softening and hydrophilizing agents for **textiles** with good washfastness)

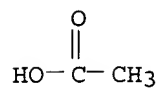
RN 246032-69-9 CAPLUS

CN Ethanol, 2,2'-(methylimino)bis-, polymer with 1,6-diisocyanatohexane, .alpha.-[[3-(2-hydroxyethoxy)propyl]dimethylsilyl]-.omega.-[[[3-(2-hydroxyethoxy)propyl]dimethylsilyl]oxy]poly[oxy(dimethylsilylene)], methyloxirane and oxirane, block, acetate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 64-19-7

CMF C2 H4 O2



CM 2

CRN 246032-68-8

CMF (C8 H12 N2 O2 . C5 H13 N O2 . C3 H6 O . (C2 H6 O Si)n C14 H34 O5 Si2 . C2 H4 O)x

CCI PMS

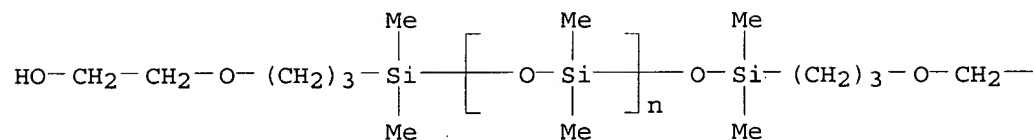
CM 3

CRN 156327-07-0

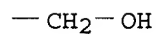
CMF (C2 H6 O Si)n C14 H34 O5 Si2

CCI PMS

PAGE 1-A



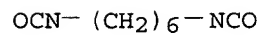
PAGE 1-B



CM 4

CRN 822-06-0

CMF C8 H12 N2 O2

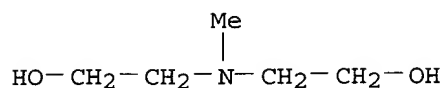


KOROMA EIC1700

CM 5

CRN 105-59-9

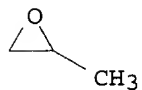
CMF C5 H13 N O2



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

CMF C2 H4 O



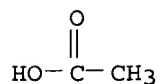
RN 246032-71-3 CAPLUS

CN Ethanol, 2,2'-(dodecylimino)bis-, polymer with 1,6-diisocyanatohexane, .alpha.-[[3-(2-hydroxyethoxy)propyl]dimethylsilyl]-.omega.-[[[3-(2-hydroxyethoxy)propyl]dimethylsilyl]oxy]poly[oxy(dimethylsilylene)], methyloxirane and oxirane, block, acetate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 64-19-7

CMF C2 H4 O2



KOROMA EIC1700

CM 2

CRN 246032-70-2

CMF (C16 H35 N O2 . C8 H12 N2 O2 . C3 H6 O . (C2 H6 O Si)n C14 H34 O5 Si2
 . C2 H4 O)x

CCI PMS

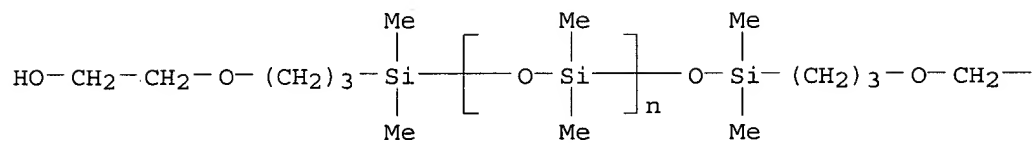
CM 3

CRN 156327-07-0

CMF (C2 H6 O Si)n C14 H34 O5 Si2

CCI PMS

PAGE 1-A



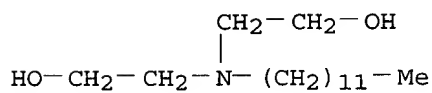
PAGE 1-B

—CH₂—OH

CM 4

CRN 1541-67-9

CMF C16 H35 N O2



CM 5

CRN 822-06-0

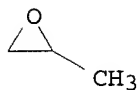
CMF C8 H12 N2 O2

OCN—(CH₂)₆—NCO

KOROMA EIC1700

CM 6

CRN 75-56-9
CMF C3 H6 O



CM 7

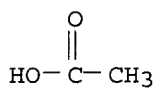
CRN 75-21-8
CMF C2 H4 O



RN 246032-73-5 CAPLUS
CN Dodecanoic acid, 2-[bis(2-hydroxyethyl)amino]ethyl ester, polymer with 1,6-diisocyanatohexane, .alpha.-[[3-(2-hydroxyethoxy)propyl]dimethylsilyl]-.omega.-[[[3-(2-hydroxyethoxy)propyl]dimethylsilyl]oxy]poly[oxy(dimethylsilylene)], methyloxirane and oxirane, block, acetate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 64-19-7
CMF C2 H4 O2



CM 2

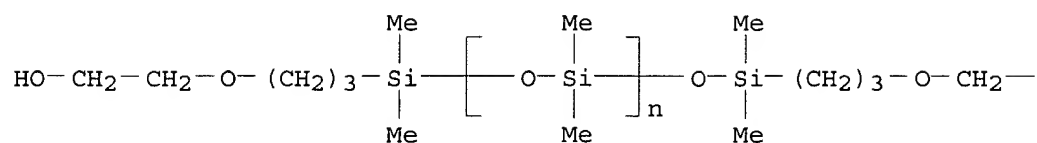
CRN 246032-72-4
CMF (C18 H37 N O4 . C8 H12 N2 O2 . C3 H6 O . (C2 H6 O Si)n C14 H34 O5 Si2 . C2 H4 O)x
CCI PMS

CM 3

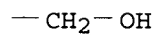
CRN 156327-07-0

CMF (C2 H6 O Si)n C14 H34 O5 Si2
CCI PMS

PAGE 1-A



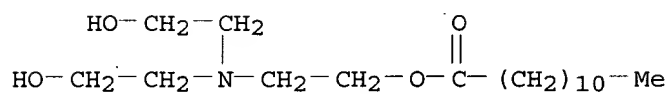
PAGE 1-B



CM 4

CRN 1793-68-6

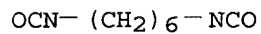
CMF C18 H37 N O4



CM 5

CRN 822-06-0

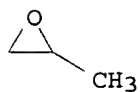
CMF C8 H12 N2 O2



CM 6

CRN 75-56-9

CMF C3 H6 O



KOROMA EIC1700

CM 7

CRN 75-21-8

CMF C2 H4 O



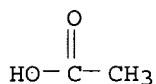
RN 246032-76-8 CAPLUS

CN Dodecanamide, N-[3-[bis(2-hydroxyethyl)amino]propyl]-, polymer with 1,6-diisocyanatohexane, .alpha.-[[3-(2-hydroxyethoxy)propyl]dimethylsilyl]-.omega.-[[[3-(2-hydroxyethoxy)propyl]dimethylsilyl]oxy]poly[oxy(dimethylsilylene)], methyloxirane and oxirane, block, acetate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 64-19-7

CMF C2 H4 O2



CM 2

CRN 246032-75-7

CMF (C19 H40 N2 O3 . C8 H12 N2 O2 . C3 H6 O . (C2 H6 O Si)n C14 H34 O5 Si2 . C2 H4 O)x

CCI PMS

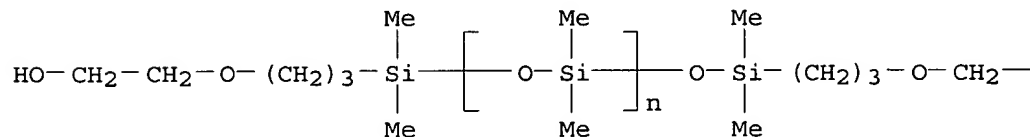
CM 3

CRN 156327-07-0

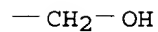
CMF (C2 H6 O Si)n C14 H34 O5 Si2

CCI PMS

PAGE 1-A



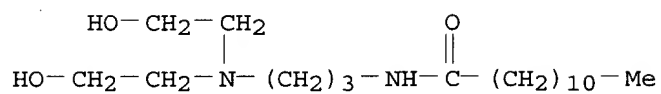
PAGE 1-B



CM 4

CRN 66161-63-5

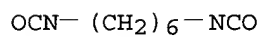
CMF C19 H40 N2 O3



CM 5

CRN 822-06-0

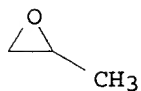
CMF C8 H12 N2 O2



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

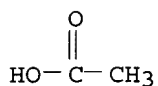
CMF C2 H4 O



RN 246032-79-1 CAPLUS
 CN Ethanol, 2,2'-(methylinino)bis-, polymer with 1,6-diisocyanatohexane,
 .alpha.-[[3-(3-hydroxypropoxy)propyl]dimethylsilyl]-.omega.-[[[3-(3-
 hydroxypropoxy)propyl]dimethylsilyl]oxy]poly[oxy(dimethylsilylene)],
 methyloxirane and oxirane, block, acetate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 64-19-7
 CMF C2 H4 O2



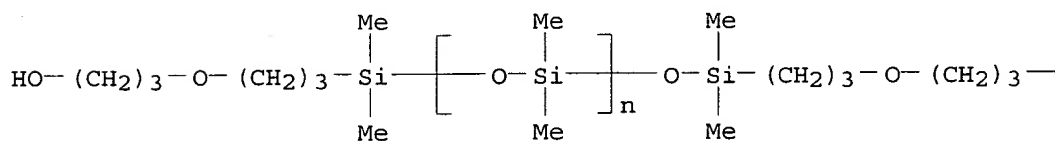
CM 2

CRN 246032-78-0
 CMF (C8 H12 N2 O2 . C5 H13 N O2 . C3 H6 O . (C2 H6 O Si)n C16 H38 O5 Si2
 . C2 H4 O)x
 CCI PMS

CM 3

CRN 246032-77-9
 CMF (C2 H6 O Si)n C16 H38 O5 Si2
 CCI PMS

PAGE 1-A



PAGE 1-B

—OH

CM 4

CRN 822-06-0

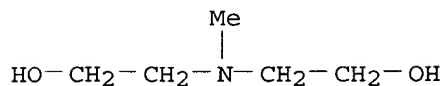
CMF C8 H12 N2 O2

OCN-(CH₂)₆-NCO

CM 5

CRN 105-59-9

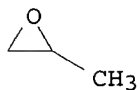
CMF C5 H13 N O2



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

CMF C2 H4 O



IC ICM D06M015-568

CC 40-9 (Textiles and Fibers)

ST cationic polysiloxane polyurethane **fabric** softening
hydrophilizing agent; **textile** softening hydrophilizing agent
polyurethane polysiloxane

IT **Fabric softeners**

Textiles

(cationic polyurethane softening and hydrophilizing agents for
textiles with good washfastness)

IT Hydrophilicity

(improvers; cationic polyurethane softening and hydrophilizing agents)

KOROMA EIC1700

for **textiles** with good washfastness)

IT Polyurethanes, uses
Polyurethanes, uses
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polysiloxane-, block, polyoxyalkylene; cationic polyurethane softening and hydrophilizing agents for **textiles** with good washfastness)

IT Polysiloxanes, uses
Polysiloxanes, uses
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyurethane-, block, polyoxyalkylene; cationic polyurethane softening and hydrophilizing agents for **textiles** with good washfastness)

IT 246032-66-6P 246032-69-9P 246032-71-3P
246032-73-5P 246032-76-8P 246032-79-1P
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(cationic polyurethane softening and hydrophilizing agents for **textiles** with good washfastness)

L32 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1999:583489 CAPLUS
DOCUMENT NUMBER: 131:215613
TITLE: Durable antistatic agents for polyamide fibers
INVENTOR(S): Hatanaka, Takahiro; Kanazaki, Hideo
PATENT ASSIGNEE(S): Nikka Chemical Industry Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11247070	A2	19990914	JP 1998-53655	19980305
PRIORITY APPLN. INFO.:			JP 1998-53655	19980305

AB Ethoxylated polyether, polyester, or silicone diols and polyoxyalkylated alkylamines reacted with org. polyisocyanates at NCO/OH .ltoreq.1 to prep. antistatic agents. Thus, the reaction of polyethylene propylene glycol block copolymer 133, N-methyldiethanolamine 2, and hexamethylene diisocyanate 13 parts in presence of Bu₂Sn dilaurate gave a polyurethane, which was quaternized with di-Me sulfate to prep. an antistatic agent.

IT 243661-86-1P 243661-98-5P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(durable polyurethane antistatic agents for polyamide fibers)

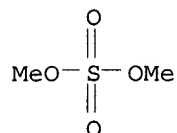
RN 243661-86-1 CAPLUS
CN Sulfuric acid, dimethyl ester, compd. with 1,6-diisocyanatohexane block polymer with .alpha.-hydro-.omega.-hydroxypoly[oxy(dimethylsilylene)],

2,2'-(methylimino)bis[ethanol], methyloxirane and oxirane (9CI) (CA INDEX NAME)

CM 1

CRN 77-78-1

CMF C2 H6 O4 S



CM 2

CRN 243661-85-0

CMF (C8 H12 N2 O2 . C5 H13 N O2 . C3 H6 O . (C2 H6 O Si)n H2 O . C2 H4 O)x

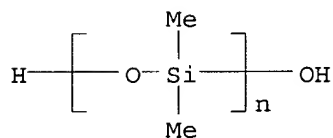
CCI PMS

CM 3

CRN 31692-79-2

CMF (C2 H6 O Si)n H2 O

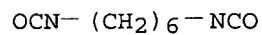
CCI PMS



CM 4

CRN 822-06-0

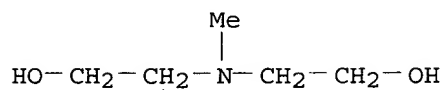
CMF C8 H12 N2 O2



CM 5

CRN 105-59-9

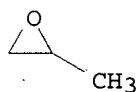
CMF C5 H13 N O2



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

CMF C2 H4 O



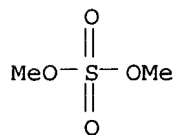
RN 243661-98-5 CAPLUS

CN Sulfuric acid, dimethyl ester, compd. with 1,6-diisocyanatohexane block polymer with dimethylsilanediol, 2,2'-(methyylimino)bis[ethanol] and oxirane (9CI) (CA INDEX NAME)

CM 1

CRN 77-78-1

CMF C2 H6 O4 S

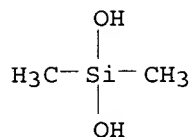


CM 2

CRN 243661-97-4
 CMF (C8 H12 N2 O2 . C5 H13 N O2 . C2 H8 O2 Si . C2 H4 O)x
 CCI PMS

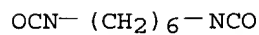
CM 3

CRN 1066-42-8
 CMF C2 H8 O2 Si



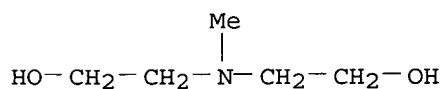
CM 4

CRN 822-06-0
 CMF C8 H12 N2 O2



CM 5

CRN 105-59-9
 CMF C5 H13 N O2



CM 6

CRN 75-21-8
 CMF C2 H4 O



IC ICM D06M015-568
 ICS D06M015-572

KOROMA EIC1700

CC 40-9 (Textiles and Fibers)
ST polyurethane antistatic agent polyamide fiber
IT Antistatic agents
Polymerization
(durable polyurethane antistatic agents for polyamide fibers)
IT Amines, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(ethoxylated; durable polyurethane antistatic agents for polyamide fibers)
IT Polyamide fibers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(fabrics; durable polyurethane antistatic agents for polyamide fibers)
IT Polyurethanes, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyester-; durable polyurethane antistatic agents for polyamide fibers)
IT Polyurethanes, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyether-; durable polyurethane antistatic agents for polyamide fibers)
IT Quaternary ammonium compounds, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polymers; durable polyurethane antistatic agents for polyamide fibers)
IT Polyurethanes, uses
Polyurethanes, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polysiloxane-; durable polyurethane antistatic agents for polyamide fibers)
IT Polysiloxanes, uses
Polysiloxanes, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyurethane-; durable polyurethane antistatic agents for polyamide fibers)
IT 112651-70-4P, Hexamethylene diisocyanate-N-methyldiethanolamine-polyethylene propylene glycol block copolymer dimethyl sulfate salt
243661-82-7P 243661-84-9P **243661-86-1P** 243661-88-3P
243661-90-7P 243661-92-9P 243661-94-1P 243661-96-3P
243661-98-5P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(durable polyurethane antistatic agents for polyamide fibers)

L32 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1999:378554 CAPLUS

DOCUMENT NUMBER: 131:45823

TITLE: Diorganopolysiloxanes having polyoxyalkylene and amino

groups and agents using them for solids
 INVENTOR(S): Ozaki, Masaru; Ona, Isao
 PATENT ASSIGNEE(S): Dow Corning Toray Silicone Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11158287	A2	19990615	JP 1997-344294	19971128

PRIORITY APPLN. INFO.: JP 1997-344294 19971128

AB Title diorganopolysiloxanes comprise A(SiR2O)x(SiRBO)y(SiRDO)zSiR2A [R = (un)substituted hydrocarbyl; B = R1aOR2bR3; D = unsubstituted or monohydrocarbyl-substituted piperazine-contg. group, cyclohexylamine-contg. group; R1 = hydrocarbylene; R2 = C2-4 oxyalkylene; R3 = H, hydrocarbyl, acyl, carbamyl; a = 0, 1; b = 1-100; A = R, B, D; x = 0-1000; y, z = 0-100]. The diorganopolysiloxanes are useful in treatment of fibers or polymer sheet substrates for improvement of yellowing or water resistance. Thus, octamethyltetracyclosiloxane, trimethylsilyl-terminated dimethylsilanediol-polyethylene glycol Me 3-(dihydroxymethylsilyl)propyl ether graft copolymer, and Me cyclohexylaminopropyl siloxane were treated to give a diorganopolysiloxane, with which cotton fabric was impregnated to give a test piece showing good yellowing and water resistance and flexibility.

IT 227596-72-7DP, trimethylsilyl-terminated
 RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (diorganopolysiloxanes for discoloration-preventing or waterproofing treatment of solids)

RN 227596-72-7 CAPLUS

CN Silanediol, dimethyl-, polymer with methyl[3-(4-methyl-1-piperazinyl)propyl]silanediol, methyloxirane, methylsilanediol and oxirane, methyl ether, graft (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H3C-OH

CM 2

CRN 227596-71-6

CMF (C9 H22 N2 O2 Si . C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x

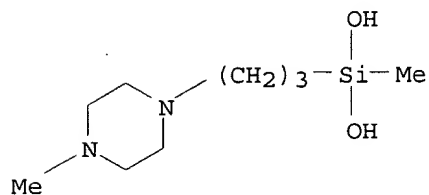
CCI PMS

KOROMA EIC1700

CM 3

CRN 227596-70-5

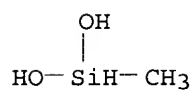
CMF C9 H22 N2 O2 Si



CM 4

CRN 43641-90-3

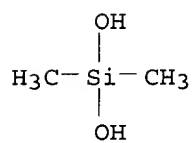
CMF C H6 O2 Si



CM 5

CRN 1066-42-8

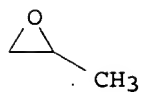
CMF C2 H8 O2 Si



CM 6

CRN 75-56-9

CMF C3 H6 O



CM 7

CRN 75-21-8

CMF C2 H4 O



- IC ICM C08G077-46
ICS C08G077-26; C09K003-00
- CC 38-3 (Plastics Fabrication and Uses)
Section cross-reference(s): 40
- ST amino polyoxyalkylene polysiloxane yellowing preventing agent;
waterproofing agent amino polyoxyalkylene polysiloxane cotton
- IT Yellowing prevention
Yellowing prevention
(agents; diorganopolysiloxanes for discoloration-preventing or
waterproofing treatment of solids)
- IT **Textiles**
(cotton; diorganopolysiloxanes for discoloration-preventing or
waterproofing treatment of solids)
- IT Waterproofing agents
(diorganopolysiloxanes for discoloration-preventing or waterproofing
treatment of solids)
- IT Polysiloxanes, uses
Polysiloxanes, uses
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or
engineered material use); PREP (Preparation); USES (Uses)
(polyoxyalkylene-, graft; diorganopolysiloxanes for
discoloration-preventing or waterproofing treatment of solids)
- IT Polyoxyalkylenes, uses
Polyoxyalkylenes, uses
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or
engineered material use); PREP (Preparation); USES (Uses)
(polysiloxane-, graft; diorganopolysiloxanes for discoloration-
preventing or waterproofing treatment of solids)
- IT Discoloration prevention agents
Discoloration prevention agents
(yellowing; diorganopolysiloxanes for discoloration-preventing or
waterproofing treatment of solids)
- IT 227596-68-1DP, trimethylsilyl-terminated 227596-72-7DP,
trimethylsilyl-terminated
RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or
engineered material use); PREP (Preparation); USES (Uses)
(diorganopolysiloxanes for discoloration-preventing or waterproofing
treatment of solids)

L32 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

KOROMA EIC1700

ACCESSION NUMBER: 1998:712637 CAPLUS
DOCUMENT NUMBER: 130:26484
TITLE: Unsaturated ammonium compounds as modifiers for Si-H bond-containing compounds, silicones modified therewith, and surfactants
INVENTOR(S): Naniwa, Kimiyoshi; Nakahara, Yutaka
PATENT ASSIGNEE(S): Asahi Denka Kogyo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10291967	A2	19981104	JP 1997-100577	19970417
PRIORITY APPLN. INFO.:			JP 1997-100577	19970417

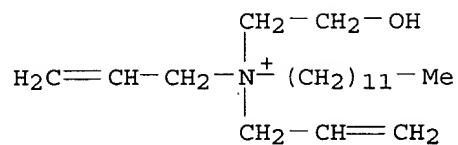
AB R33SiO(R32SiO)nSiR33 [R3 = H, OH, (O- and/or Si-contg.) hydrocarbyl; .gtoreq.1 of R3 = H; n .gtoreq. 0] are modified with CH2:CRCH2(CH2:CR'CH2)N+R1R2.X- [I; R, R' = H, Me; R1, R2 = (O-contg.) hydrocarbyl; X = anion] to give silicones useful as surfactants, fiber- or hair-treating agents, or resin additives. Thus, a mixt. of 185 parts HMe2Si(OSiMe2)10OSiMe2H, 63 parts 60% aq. I (R = R' = H, R1 = R2 = Me, X = Cl), iso-PrOH, and chloroplatinic acid was heated at 80-90.degree. to give an amino-modified silicone, which showed no skin irritation, good **fabric**-softening effect, and antibacterial activity. The modified silicone was also applied to hair prepns. and coatings.

IT 216454-99-8P 216455-02-6P
RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of ammonium-modified silicones as surfactants, **fabric softeners**, hair prepns., and coating additives)

RN 216454-99-8 CAPLUS
CN 1-Dodecanaminium, N-(2-hydroxyethyl)-N,N-di-2-propenyl-, chloride, polymer with dimethylsilanediol, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

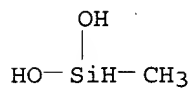
CRN 216454-91-0
CMF C20 H40 N O . Cl



CM 2

CRN 43641-90-3

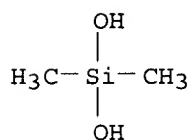
CMF C H6 O2 Si



CM 3

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 4

CRN 75-21-8

CMF C2 H4 O



RN 216455-02-6 CAPLUS

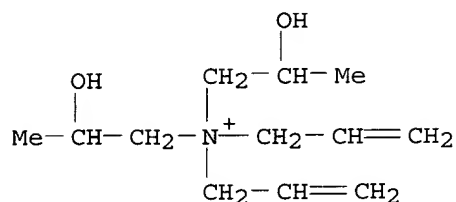
CN 2-Propen-1-aminium, N,N-bis(2-hydroxypropyl)-N-2-propenyl-, iodide,
polymer with dimethylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

KOROMA EIC1700

CM 1

CRN 216455-01-5

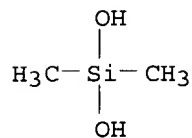
CMF C12 H24 N O2 . I



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 3

CRN 75-21-8

CMF C2 H4 O



IC ICM C07C211-03

ICS A61K007-06; C07C211-63; C08G077-388; C11D001-38; D06M015-643

CC 46-3 (Surface Active Agents and Detergents)

Section cross-reference(s): 40, 42, 62

ST unsatd ammonium compd silicone modifier; amino modified silicone
surfactant fabric softener; hair prepn amino modified silicone
surfactant; coating additive amino modified silicone

KOROMA EIC1700

- IT Polysiloxanes, uses
 Polysiloxanes, uses
 RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (polyoxyalkylene-, graft; prepn. of ammonium-modified silicones as surfactants, **fabric softeners**, hair prepn., and coating additives)
- IT Polyoxyalkylenes, uses
 Polyoxyalkylenes, uses
 RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (polysiloxane-, graft; prepn. of ammonium-modified silicones as surfactants, **fabric softeners**, hair prepn., and coating additives)
- IT Antibacterial agents
 Coating materials
Fabric softeners
 Hair preparations
 Surfactants
 (prepn. of ammonium-modified silicones as surfactants, **fabric softeners**, hair prepn., and coating additives)
- IT Ionene polymers
 Polysiloxanes, uses
 RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of ammonium-modified silicones as surfactants, **fabric softeners**, hair prepn., and coating additives)
- IT 25586-20-3P, Acrylic acid-butyl acrylate-styrene copolymer
 RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (coating; prepn. of ammonium-modified silicones as surfactants, **fabric softeners**, hair prepn., and coating additives)
- IT 27274-31-3DP, Polyethylene glycol monoallyl ether, reaction products with polymers of diallylammonium salts and hydrosiloxanes 216454-94-3P 216454-95-4P 216454-96-5P 216454-97-6P 216454-98-7DP, trimethylsilyl-terminated **216454-99-8P** 216455-00-4DP, hydroxydimethylsilyl- or trimethylsilyl-terminated **216455-02-6P**
 RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use);

BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of ammonium-modified silicones as surfactants, **fabric softeners**, hair preps., and coating additives)

IT 7398-69-8 216454-91-0 216454-92-1 216454-93-2

RL: MOA (Modifier or additive use); RCT (Reactant); RACT (Reactant or reagent); USES (Uses)

(unsatd. ammonium compds. as modifiers for Si-H bond-contg. silicones)

L32 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1995:994509 CAPLUS

DOCUMENT NUMBER: 124:90196

TITLE: Polymers containing organopolysiloxane side chains useful as **textile finishing agents** and cosmetics and manufacture of the same

INVENTOR(S): Shimizu, Yoshio; Takizawa, Masahiro; Isoda, Masanori; Shibazaki, Kenichiro; Nakayama, Kiyoshi

PATENT ASSIGNEE(S): Lion Corp., Japan

SOURCE: PCT Int. Appl., 157 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9523889	A1	19950908	WO 1995-JP353	19950303
W: CN, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 07243173	A2	19950919	JP 1994-60335	19940303
JP 07070204	A2	19950314	JP 1994-75368	19940322
JP 07268778	A2	19951017	JP 1994-75369	19940322
JP 07069828	A2	19950314	JP 1994-169059	19940628
JP 08183826	A2	19960716	JP 1994-340249	19941229
PRIORITY APPLN. INFO.:			JP 1994-60335	19940303
			JP 1994-75368	19940322
			JP 1994-75369	19940322
			JP 1994-169059	19940628
			JP 1994-340249	19941229
			JP 1993-187185	19930630
			JP 1993-187186	19930630

AB The polymers consist of vinyl polymers having wt.-av. mol. wt. 5000-5,000,000 and having organopolysiloxane side chains bearing no. of Si 2-500 or polysaccharides contg. organopolysiloxane side chains or protein compds. contg. organopolysiloxane side chains and are useful as agents for improvement of softness and resilience of **textiles**, hair rinses, hair sprays, shampoos, and shaving creams. Thus, 15 parts CH₂:CMeCO₂(CH₂)₃(SiMe₂O)_nSiMe₃ (n = 133) was copolymd. with 2 parts CH₂:CMeCO₂CH₂CH(OH)CH₂O₂CCH₂S(CH₂CH₂CO₂Bu)_m (m = 45) and 80 parts acrylamide to give an organopolysiloxane side chain-contg. polymer (I) sol. in EtOH or iso-PrOH. A cotton broadcloth was treated with an aerosol

compn. contg. I and dried to give a **fabric** with softness rating (6 softness similar to that of a cationic softener-treated **fabric**, 1 hardness similar to that of a spray-starched **fabric**) 5 and excellent surface smoothness and resilience.

IT 172489-47-3P 172489-52-0P 172719-93-6P

172719-98-1P

RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(manuf. of; for **textile finishing agents** and cosmetics)

RN 172489-47-3 CAPLUS

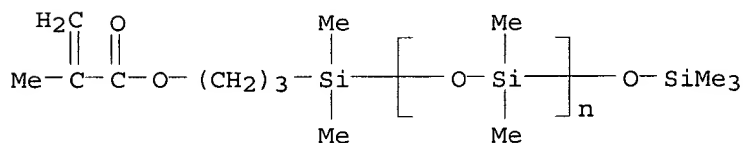
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with .alpha.-[dimethyl[3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl]silyl]-.omega.-[(trimethylsilyl)oxy]poly[oxy(dimethylsilylene)] and mercaptoacetic acid telomer with methyl 2-propenoate 1-hydroxy-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl ester (9CI) (CA INDEX NAME)

CM 1

CRN 123109-42-2

CMF (C2 H6 O Si)n C12 H26 O3 Si2

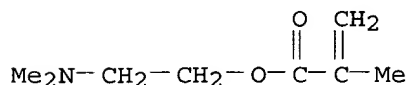
CCI PMS



CM 2

CRN 2867-47-2

CMF C8 H15 N O2



CM 3

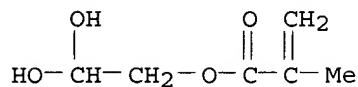
CRN 172489-45-1

CMF C6 H10 O4 . x (C4 H6 O2)x . x C2 H4 O2 S

CM 4

CRN 61960-45-0

CMF C6 H10 O4



CM 5

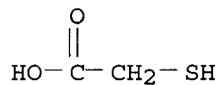
CRN 172351-63-2

CMF (C4 H6 O2)x . C2 H4 O2 S

CM 6

CRN 68-11-1

CMF C2 H4 O2 S



CM 7

CRN 9003-21-8

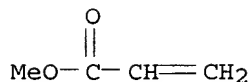
CMF (C4 H6 O2)x

CCI PMS

CM 8

CRN 96-33-3

CMF C4 H6 O2



RN 172489-52-0 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with .alpha.-[dimethyl[3-[(2-methyl-1-oxo-2-propenyl)oxy]propyl]silyl]-.omega.-[(trimethylsilyl)oxy]poly[oxy(dimethylsilylene)] and mercaptoacetic acid telomer with methyl 2-propenoate 1-hydroxy-2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl ester, sodium salt (9CI) (CA INDEX NAME)

CM 1

KOROMA EIC1700

CRN 172489-47-3

$$\text{CMF} \quad (\text{C8 H15 N O2} \cdot \text{C6 H10 O4} \cdot \text{x} (\text{C4 H6 O2})\text{x} \cdot (\text{C2 H6 O Si})\text{n C12 H26 O3 Si2} \cdot \text{x C2 H4 O2 S})\text{x}$$

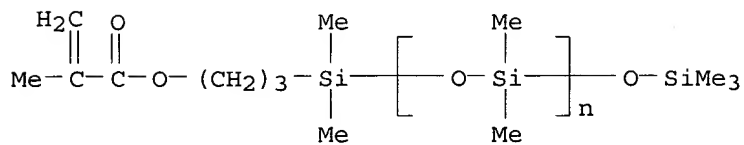
CCI PMS

CM 2

CRN 123109-42-2

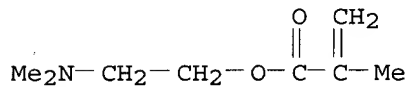
$$\text{CMF} \quad (\text{C}_2 \text{ H}_6 \text{ O Si})_n \text{ C}_{12} \text{ H}_{26} \text{ O}_3 \text{ Si}_2$$

CCI PMS



CM 3

CRN 2867-47-2

CMF C8 H15 N O2

CM 4

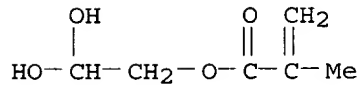
CRN 172489-45-1

CMF C6 H10 O4 . x (C4 H6 O2)x . x C2 H4 O2 S

CM 5

CRN 61960-45-0

CMF C6 H10 O4

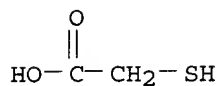


CM 6

CRN 172351-63-2
CMF (C4 H6 O2)x . C2 H4 O2 S

CM 7

CRN 68-11-1
CMF C2 H4 O2 S

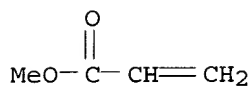


CM 8

CRN 9003-21-8
CMF (C4 H6 O2)x
CCI PMS

CM 9

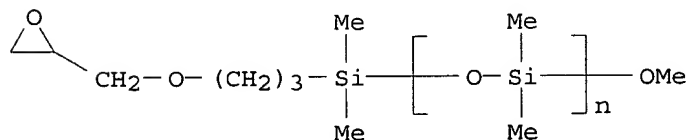
CRN 96-33-3
CMF C4 H6 O2



RN 172719-93-6 CAPLUS
CN Starch, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride, polymer with .alpha.-[dimethyl[3-(oxiranylmethoxy)propyl]silyl]-.omega.-methoxypoly[oxy(dimethylsilylene)], graft (9CI) (CA INDEX NAME)

CM 1

CRN 164656-93-3
CMF (C2 H6 O Si)n C9 H20 O3 Si
CCI PMS



CM 2

CRN 56780-58-6

CMF C6 H16 N O2 . x Cl . x Unspecified

CM 3

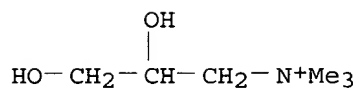
CRN 9063-45-0

CMF C6 H16 N O2 . x Unspecified

CM 4

CRN 44814-66-6

CMF C6 H16 N O2



CM 5

CRN 9005-25-8

CMF Unspecified

CCI MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 172719-98-1 CAPLUS

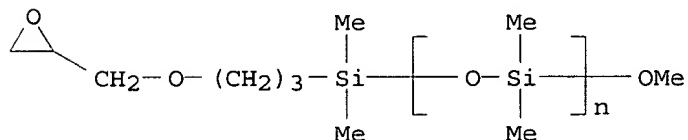
CN Guar gum, 2-hydroxy-3-(trimethylammonio)propyl ether, chloride, polymer with .alpha.-[dimethyl[3-(oxiranylmethoxy)propyl]silyl]-.omega.-methoxypoly[oxy(dimethylsilylene)], graft (9CI) (CA INDEX NAME)

CM 1

CRN 164656-93-3

CMF (C2 H6 O Si)_n C9 H20 O3 Si

CCI PMS



CM 2

CRN 65497-29-2

CMF C6 H16 N O2 . x Cl . x Unspecified

CM 3

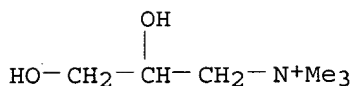
CRN 67034-33-7

CMF C6 H16 N O2 . x Unspecified

CM 4

CRN 44814-66-6

CMF C6 H16 N O2



CM 5

CRN 9000-30-0

CMF Unspecified

CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IC ICM D06M015-263

ICS D06M015-356; D06M015-03; D06M015-15; D06M015-643; C08H001-00;
C08B037-00; C08F030-08; A61K007-00

CC 40-9 (Textiles and Fibers)

Section cross-reference(s): 62

ST silicone copolymer **textile** finishing agent; hair prepn agent
silicone copolymer; rinse hair silicone copolymer; cosmetic silicone
copolymer; shampoo silicone copolymer; softening agent **textile**
silicone copolymer; cotton **textile** softening finish silicone
copolymer; acrylic fiber finishing silicone copolymer; nylon fiber
finishing silicone copolymer

IT Polyester fibers, uses

RL: PEP (Physical, engineering or chemical process); PRP (Properties); TEM
(Technical or engineered material use); PROC (Process); USES (Uses)
(cotton blends, **finishing agents** for improved
softness and resilience for; polymers contg. organopolysiloxane side
chains as)

IT Acrylic fibers, uses

Polyamide fibers, uses

Textiles

RL: PEP (Physical, engineering or chemical process); PRP (Properties); TEM
(Technical or engineered material use); PROC (Process); USES (Uses)
(**finishing agents** for improved softness and
resilience for; polymers contg. organopolysiloxane side chains as)

IT Siloxanes and Silicones, uses

RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); TEM

(Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (manuf. for **textile finishing agents** and cosmetics)

IT Collagens, uses
 Gelatins, uses
 Polysaccharides, uses
 RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (organopolysiloxane side chain-contg.; manuf. for **textile finishing agents** and cosmetics)

IT Hair preparations
 Shampoos
 (polymers contg. organopolysiloxane side chains for)

IT **Textiles**
 RL: PEP (Physical, engineering or chemical process); PRP (Properties); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (cotton, **finishing agents** for improved softness and resilience for; polymers contg. organopolysiloxane side chains as)

IT **Textiles**
 RL: PEP (Physical, engineering or chemical process); PRP (Properties); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
 (cotton-polyester, **finishing agents** for improved softness and resilience for; polymers contg. organopolysiloxane side chains as)

IT Shaving preparations
 (creams, polymers contg. organopolysiloxane side chains for)

IT 165170-59-2P 165170-61-6P 165170-62-7P 165198-23-2P 172351-40-5P
 172351-41-6P 172351-43-8P 172351-45-0P 172351-46-1P 172351-47-2P
 172351-48-3P 172351-49-4P 172351-50-7P 172351-51-8P 172351-52-9P
 172351-53-0P 172351-54-1P 172351-55-2P 172351-57-4P 172351-58-5P
 172351-59-6P 172351-60-9P 172351-61-0P 172351-62-1P 172351-68-7P
 172351-69-8P 172351-70-1P 172351-71-2P 172351-72-3P 172351-73-4P
 172351-74-5P 172351-75-6P 172489-34-8P 172489-35-9P 172489-36-0P
 172489-37-1P 172489-39-3P 172489-40-6P 172489-41-7P 172489-42-8P
 172489-44-0P 172489-46-2P **172489-47-3P** 172489-48-4P
 172489-49-5P 172489-50-8P 172489-51-9P **172489-52-0P**
172719-93-6P 172719-95-8P **172719-98-1P** 172924-49-1P
 RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (manuf. of; for **textile finishing agents** and cosmetics)

L32 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1994:551284 CAPLUS

DOCUMENT NUMBER: 121:151284

TITLE: Antiseptic and antifungal agents containing quaternary ammonium salts

INVENTOR(S): Tanaka, Takami; Hasegawa, Takeo

PATENT ASSIGNEE(S): Nikka Chemical Ind Co Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06128105	A2	19940510	JP 1992-302837	19921015
JP 3165537	B2	20010514		

PRIORITY APPLN. INFO.: JP 1992-302837 19921015

AB Antiseptic and antifungal agents, which show long-lasting activity without causing corrosion, contain [R1NR2R3R4]+ Xm- (R1 = C8-22 alkyl, alkenyl; R2 = C1-22 alkyl, alkenyl; R3 = C1-5 alkyl; R4 = reactive group-contg. vinyl, silyl; X = org. acid residue; m = 1-3) as active ingredients. The agents are useful for **textiles**, paper, woods, building materials, etc. Treatment of lauryldimethylamine methacrylate with glycidyl methacrylate in H2O at 70.degree. for 5 h gave quaternary ammonium salt, which at 4% caused no corrosion of pins and at 0.1% showed 100% bactericidal activity on cotton against Staphylococcus aureus. The activity lasted even after the cotton was washed 30 times.

IT 157530-48-8P 157530-57-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as industrial microbicide, corrosion-free, long-lasting)

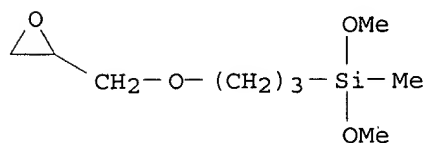
RN 157530-48-8 CAPLUS

CN 2-Propenoic acid, 2-methyl-, compd. with N,N-dimethyl-1-dodecanamine (1:1), polymer with dimethoxymethyl[3-(oxiranylmethoxy)propyl]silane (9CI)
(CA INDEX NAME)

CM 1

CRN 65799-47-5

CMF C9 H20 O4 Si



CM 2

CRN 157530-34-2

CMF C14 H31 N . C4 H6 O2

CM 3

CRN 112-18-5

CMF C14 H31 N . C4 H6 O2

CM 4

CRN 112-18-5

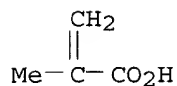
CMF C14 H31 N

Me₂N⁺ (CH₂)₁₁-Me

CM 5

CRN 79-41-4

CMF C4 H6 O2



IC ICM A01N033-12

CC 5-2 (Agrochemical Bioregulators)

Section cross-reference(s): 23, 38

ST bactericide fungicide quaternary ammonium industrial; wood preservative
quaternary ammonium

IT Wood preservatives

(quaternary ammonium salts, long-lasting)

IT Bactericides, Disinfectants, and Antiseptics

Fungicides and Fungistats

(industrial, quaternary ammonium salts, corrosion-free, long-lasting)

IT 157530-35-3P 157530-37-5P 157530-39-7P 157530-41-1P 157530-42-2P

157530-43-3P 157530-45-5P 157530-47-7P **157530-48-8P**

157530-49-9P 157530-50-2P 157530-51-3P 157530-52-4P 157530-53-5P

157530-54-6P 157530-55-7P 157530-56-8P **157530-57-9P**

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of, as industrial microbicide, corrosion-free, long-lasting)

IT 112-18-5, Lauryldimethylamine 1120-24-7, Decyldimethylamine 2915-90-4,
Dilaurylmethylamine

RL: RCT (Reactant); RACT (Reactant or reagent)

(reaction of, with glycidyl compds.)

IT 106-91-2 106-92-3, Allyl glycidyl ether 65799-47-5,

(.gamma.-Glycidoxypropyl)methyldimethoxysilane

RL: RCT (Reactant); RACT (Reactant or reagent)

(reaction of, with trialkylamines)



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